

Comparisons of Job Characteristics

Focus Occupation: [Derrick Operators, Oil and Gas \(47-5011\)](#)

Associated Occupation: [Rotary Drill Operators, Oil and Gas \(47-5012\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Derrick Operators, Oil and Gas (47-5011)

Associated Occupation: Rotary Drill Operators, Oil and Gas (47-5012)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	15.3	13.5	<	Expanded education and/or training may be required
Mathematics	9.2	12.2	9.8	<	Expanded education and/or training may be required
Personnel and Human Resources	5.6	9.2	4.9	<<	Extensive education and/or training may be required
Chemistry	4.8	8.1	6.4	<	Expanded education and/or training may be required
Transportation	4.6	7.0	7.5	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Derrick Operators, Oil and Gas (47-5011)

Associated Occupation: Rotary Drill Operators, Oil and Gas (47-5012)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation and Control	5.4	11.5	12.3	0	Current skill level may be sufficient
Operation Monitoring	6.6	11.2	13.3	>	Skill level is likely sufficient
Quality Control Analysis	5.9	8.8	10.3	>	Skill level is likely sufficient
Repairing	3.4	8.8	10.7	>	Skill level is likely sufficient
Equipment Maintenance	3.5	8.6	9.4	0	Current skill level may be sufficient
Troubleshooting	4.5	8.4	9.6	>	Skill level is likely sufficient
Equipment Selection	3.3	6.2	6.7	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 67			
Focus Occupation: Derrick Operators, Oil and Gas (47-5011) Associated Occupation: Rotary Drill Operators, Oil and Gas (47-5012)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	13.0	13.2	0	Current ability level may be sufficient
Multilimb Coordination	6.0	11.6	13.3	>	Current ability level is likely sufficient
Selective Attention	8.7	11.5	10.5	0	Current ability level may be sufficient
Manual Dexterity	6.5	11.4	11.9	0	Current ability level may be sufficient
Rate Control	3.8	10.0	9.5	0	Current ability level may be sufficient
Auditory Attention	5.9	9.7	11.9	>	Current ability level is likely sufficient
Gross Body Equilibrium	3.2	6.9	10.2	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 68
Focus Occupation: Derrick Operators, Oil and Gas (47-5011) Associated Occupation: Rotary Drill Operators, Oil and Gas (47-5012)		
Work Activities	Exclusivity of Activity	
Maintain or repair construction machinery or equipment	77	
Measure, weigh, or count products or materials	17	
Use hand or power tools	2	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: n/a
Focus Occupation: Derrick Operators, Oil and Gas (47-5011) Associated Occupation: Rotary Drill Operators, Oil and Gas (47-5012)		
Tools and Technologies		Exclusivity
Tools and technology data is unavailable for one or both occupations.		

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.